

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P416813

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T2U-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416813  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-750-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8671.1 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G3

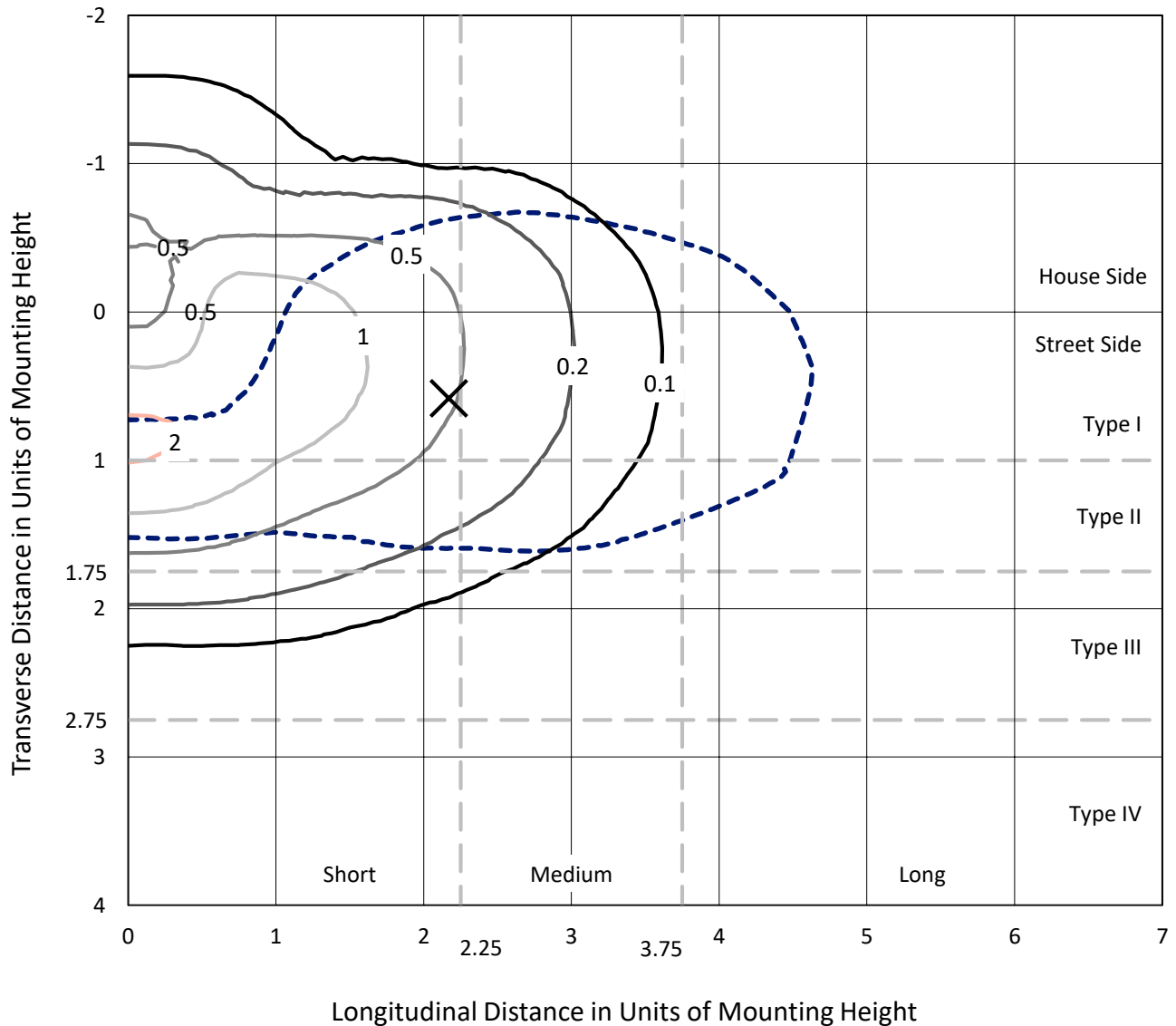
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

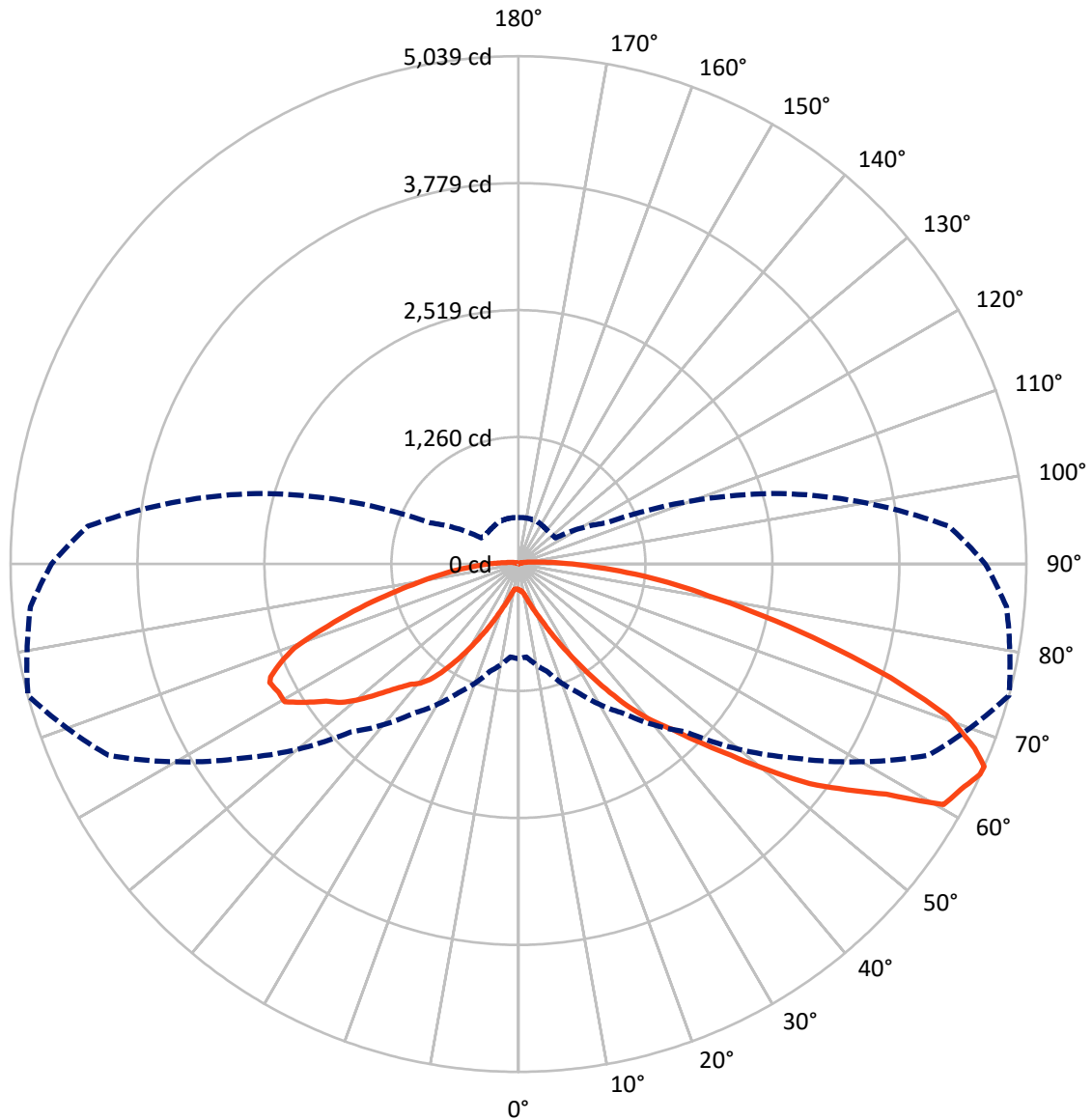
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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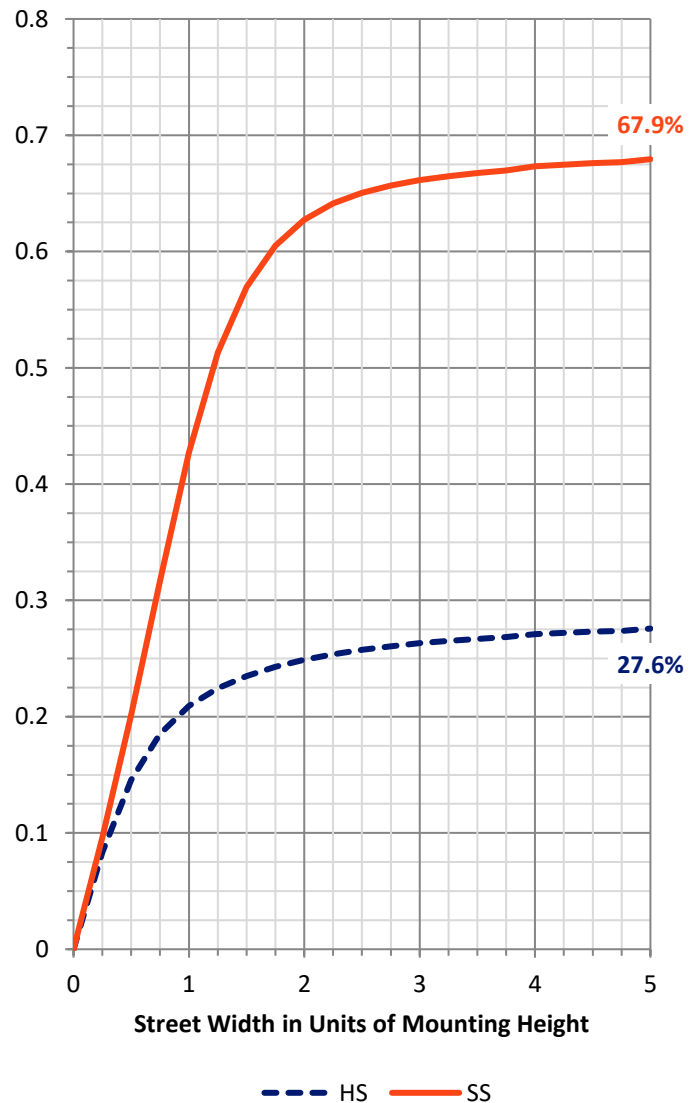
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2462.8	120.3	2583.1
	% Fixture	28.4	1.4	29.8
<b>Street Side</b>	Lumens	5969.1	118.9	6088.0
	% Fixture	68.8	1.4	70.2
<b>Total</b>	Lumens	8431.9	239.1	8671.1
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.8	0.3
10°-20°	108.9	1.3
20°-30°	330.5	3.8
30°-40°	817.4	9.4
40°-50°	1476.1	17.0
50°-60°	1994.4	23.0
60°-70°	2002.1	23.1
70°-80°	1209.2	13.9
80°-90°	467.5	5.4
90°-100°	138.8	1.6
100°-110°	50.1	0.6
110°-120°	24.3	0.3
120°-130°	14.3	0.2
130°-140°	8.5	0.1
140°-150°	2.7	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8431.9	97.2
0°-180°	8671.1	100.0



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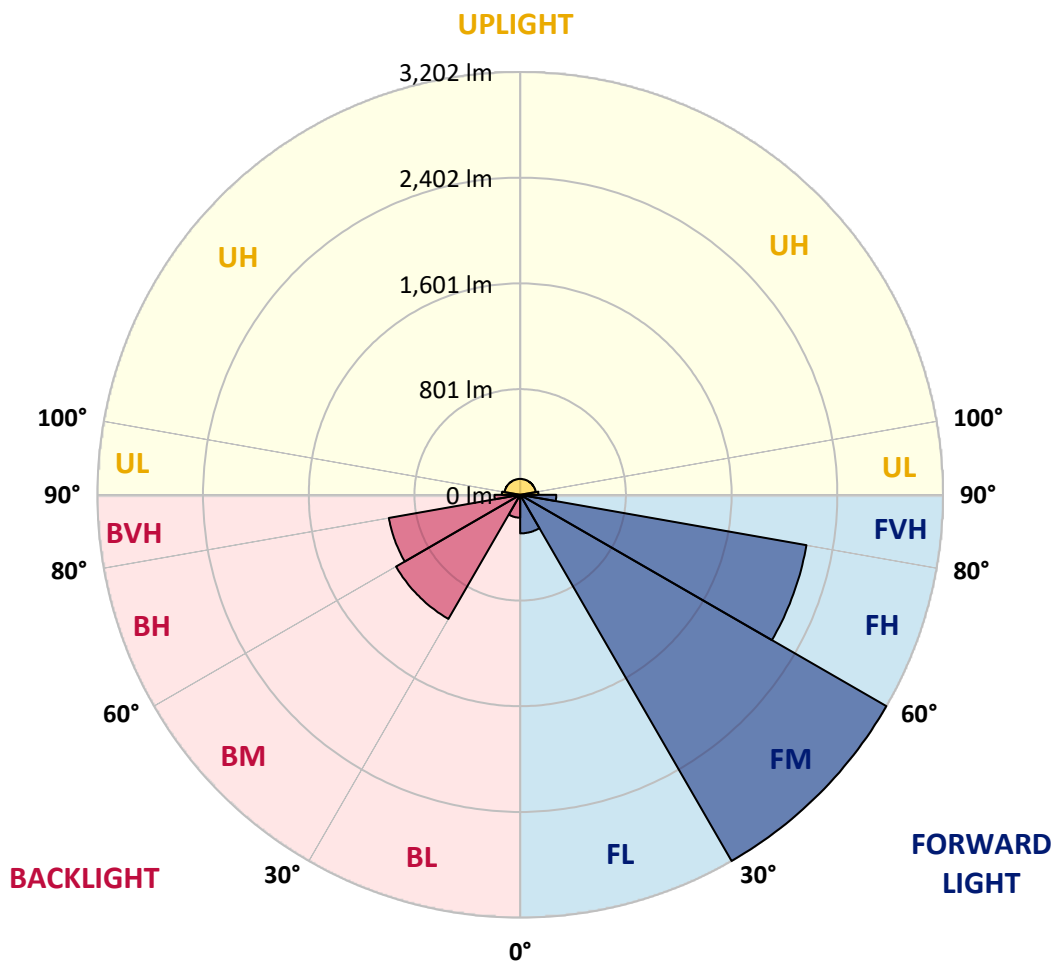
CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T2U-A

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.1	3.4			
FM	(30°-60°)	3202.3	36.9			
FH	(60°-80°)	2201.6	25.4			G2/5000
FVH	(80°-90°)	273.0	3.1			G3/500
BL	(0°-30°)	173.1	2.0	B1/500		
BM	(30°-60°)	1085.6	12.5	B2/2500		
BH	(60°-80°)	1009.6	11.6	B3/2500		G3/2500
BVH	(80°-90°)	194.5	2.2			G2/225
UL	(90°-100°)	138.8	1.6		U3/500	
UH	(100°-180°)	120.3	1.4		U3/500	

**BUG Rating: B3-U3-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0
2.5°	282.0	280.0	278.0	276.0	274.0	272.0	268.0	263.0	259.0	259.0	255.0
5°	308.0	306.0	303.0	299.0	295.0	291.0	283.0	275.0	267.0	267.0	260.0
7.5°	340.0	339.0	335.0	330.0	321.0	312.0	302.0	290.0	279.0	278.0	269.0
10°	381.0	379.0	373.0	366.0	356.0	344.0	330.0	315.0	299.0	298.0	287.0
12.5°	438.0	434.0	424.0	413.0	394.0	382.0	366.0	352.0	340.0	337.0	322.0
15°	512.0	507.0	496.0	477.0	452.0	430.0	421.0	406.0	393.0	389.0	375.0
17.5°	607.0	602.0	583.0	553.0	527.0	505.0	485.0	470.0	459.0	458.0	438.0
20°	737.0	725.0	694.0	652.0	618.0	591.0	563.0	546.0	535.0	531.0	519.0
22.5°	897.0	894.0	850.0	795.0	739.0	690.0	659.0	640.0	632.0	633.0	626.0
25°	1101.0	1092.0	1050.0	970.0	886.0	824.0	781.0	769.0	768.0	761.0	758.0
27.5°	1318.9	1306.9	1251.9	1174.9	1064.0	980.0	932.0	919.0	922.0	914.0	920.0
30°	1585.9	1579.9	1499.9	1387.9	1267.9	1158.0	1108.0	1097.0	1104.0	1114.0	1108.0
32.5°	1915.9	1924.9	1815.9	1664.9	1496.9	1369.9	1314.9	1310.9	1320.9	1318.9	1315.9
35°	2317.9	2333.9	2182.9	1999.9	1768.9	1617.9	1548.9	1543.9	1563.9	1561.9	1563.9
37.5°	2747.9	2754.9	2631.9	2341.9	2072.9	1863.9	1806.9	1800.9	1819.9	1808.9	1797.9
40°	3086.9	3119.9	2975.9	2726.9	2375.9	2162.9	2093.9	2060.9	2043.9	2031.9	1951.9
42.5°	3407.9	3387.9	3285.9	3008.9	2686.9	2454.9	2362.9	2300.9	2245.9	2237.9	2149.9
45°	3617.8	3592.8	3495.9	3239.9	2937.9	2745.9	2660.9	2585.9	2523.9	2495.9	2389.9
47.5°	3629.8	3617.8	3594.8	3402.9	3138.9	2971.9	2943.9	2903.9	2835.9	2836.9	2700.9
50°	3446.9	3427.9	3494.9	3421.9	3238.9	3150.9	3256.9	3300.9	3213.9	3204.9	3063.9
52.5°	3122.9	3112.9	3234.9	3306.9	3241.9	3275.9	3527.8	3687.8	3619.8	3583.8	3401.9
55°	2794.9	2806.9	2912.9	3028.9	3135.9	3311.9	3767.8	4086.8	3952.8	3928.8	3701.8
57.5°	2347.9	2387.9	2545.9	2727.9	2895.9	3261.9	3893.8	4339.8	4305.8	4296.8	4102.8
60°	1857.9	1853.9	2087.9	2352.9	2628.9	3096.9	3900.8	4657.8	4846.8	4803.8	4529.8
62.5°	1442.9	1452.9	1620.9	1952.9	2322.9	2845.9	3804.8	4799.8	4925.8	4876.8	4637.8
65°	1045.0	1061.0	1265.9	1533.9	1951.9	2506.9	3531.8	4606.8	5032.8	5002.8	4867.8
66°	939.0	925.0	1105.0	1408.9	1805.9	2356.9	3359.9	4489.8	5038.8	5021.8	4860.8
67.5°	755.0	773.0	912.0	1176.9	1570.9	2117.9	3048.9	4302.8	4882.8	4859.8	4751.8
70°	559.0	576.0	671.0	883.0	1191.9	1688.9	2520.9	3716.8	4514.8	4531.8	4519.8
72.5°	414.0	432.0	497.0	650.0	882.0	1255.9	1997.9	3132.9	3860.8	3900.8	3872.8
75°	322.0	329.0	383.0	490.0	645.0	885.0	1477.9	2427.9	3142.9	3216.9	3242.9
77.5°	259.0	265.0	309.0	378.0	483.0	646.0	1036.0	1809.9	2487.9	2539.9	2588.9
80°	209.0	213.0	249.0	304.0	370.0	462.0	699.0	1314.9	1908.9	1938.9	2010.9
82.5°	168.0	171.0	197.0	244.0	296.0	351.0	497.0	918.0	1498.9	1526.9	1617.9
85°	132.0	134.0	157.0	194.0	238.0	278.0	359.0	649.0	1080.0	1106.0	1215.9
87.5°	104.0	106.0	124.0	151.0	192.0	220.0	265.0	437.0	729.0	766.0	891.0
90°	82.0	83.0	96.0	117.0	149.0	179.0	208.0	305.0	486.0	507.0	577.0
92.5°	62.0	63.0	73.0	89.0	116.0	142.0	159.0	211.0	311.0	320.0	370.0
95°	46.0	47.0	55.0	65.0	87.0	111.0	123.0	148.0	196.0	208.0	221.0
97.5°	36.0	37.0	42.0	48.0	64.0	87.0	98.0	109.0	134.0	138.0	148.0
100°	31.0	31.0	34.0	38.0	48.0	68.0	77.0	86.0	101.0	101.0	107.0
102.5°	26.0	26.0	28.0	30.0	39.0	54.0	62.0	68.0	76.0	77.0	82.0
105°	23.0	23.0	24.0	26.0	33.0	44.0	51.0	54.0	59.0	59.0	61.0
107.5°	20.0	20.0	21.0	22.0	29.0	37.0	41.0	42.0	44.0	44.0	47.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	19.0	19.0	19.0	20.0	25.0	32.0	34.0	33.0	34.0	34.0	37.0
112.5°	18.0	17.0	17.0	18.0	23.0	28.0	28.0	27.0	27.0	27.0	30.0
115°	17.0	17.0	16.0	17.0	21.0	24.0	24.0	22.0	22.0	22.0	25.0
117.5°	17.0	17.0	16.0	16.0	19.0	22.0	21.0	19.0	18.0	19.0	22.0
120°	17.0	17.0	15.0	15.0	18.0	19.0	19.0	16.0	16.0	16.0	19.0
122.5°	17.0	17.0	15.0	15.0	17.0	18.0	17.0	14.0	14.0	14.0	17.0
125°	18.0	17.0	15.0	15.0	16.0	16.0	15.0	13.0	12.0	12.0	15.0
127.5°	18.0	18.0	16.0	15.0	15.0	15.0	14.0	12.0	11.0	11.0	14.0
130°	20.0	19.0	17.0	15.0	14.0	13.0	12.0	11.0	11.0	11.0	13.0
132.5°	20.0	20.0	17.0	14.0	13.0	12.0	11.0	9.0	10.0	10.0	12.0
135°	19.0	18.0	15.0	13.0	12.0	10.0	9.0	8.0	9.0	9.0	11.0
137.5°	17.0	16.0	14.0	11.0	10.0	8.0	7.0	6.0	7.0	7.0	9.0
140°	14.0	14.0	11.0	9.0	8.0	7.0	6.0	4.0	5.0	6.0	7.0
142.5°	12.0	11.0	9.0	7.0	6.0	5.0	4.0	3.0	4.0	4.0	5.0
145°	10.0	9.0	7.0	5.0	4.0	3.0	2.0	2.0	2.0	2.0	3.0
147.5°	8.0	7.0	5.0	3.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0
150°	6.0	6.0	4.0	2.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
152.5°	5.0	5.0	3.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
155°	3.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0
2.5°	254.0	252.0	250.0	248.0	246.0	245.0	242.0	240.0	240.0	240.0	239.0
5°	257.0	253.0	248.0	244.0	239.0	235.0	232.0	229.0	227.0	227.0	227.0
7.5°	264.0	260.0	251.0	243.0	236.0	230.0	226.0	223.0	222.0	221.0	221.0
10°	280.0	273.0	261.0	249.0	239.0	231.0	227.0	225.0	224.0	224.0	224.0
12.5°	316.0	306.0	288.0	268.0	251.0	239.0	235.0	235.0	241.0	244.0	244.0
15°	364.0	355.0	334.0	306.0	279.0	259.0	256.0	263.0	271.0	275.0	274.0
17.5°	430.0	418.0	390.0	353.0	317.0	297.0	288.0	295.0	305.0	310.0	310.0
20°	508.0	496.0	458.0	408.0	364.0	342.0	328.0	328.0	341.0	345.0	347.0
22.5°	615.0	597.0	543.0	474.0	417.0	383.0	366.0	363.0	378.0	385.0	383.0
25°	735.0	721.0	658.0	555.0	481.0	426.0	403.0	403.0	422.0	438.0	439.0
27.5°	903.0	868.0	780.0	654.0	543.0	466.0	441.0	446.0	466.0	482.0	482.0
30°	1079.0	1054.0	925.0	759.0	603.0	503.0	467.0	475.0	493.0	511.0	511.0
32.5°	1291.9	1249.9	1091.0	863.0	658.0	527.0	481.0	492.0	513.0	531.0	531.0
35°	1499.9	1465.9	1257.9	972.0	706.0	537.0	487.0	500.0	524.0	546.0	548.0
37.5°	1741.9	1667.9	1420.9	1070.0	741.0	539.0	485.0	508.0	540.0	565.0	566.0
40°	1886.9	1797.9	1530.9	1143.0	757.0	532.0	485.0	514.0	541.0	550.0	549.0
42.5°	2058.9	1946.9	1607.9	1152.0	737.0	518.0	484.0	507.0	519.0	519.0	518.0
45°	2289.9	2163.9	1729.9	1157.0	696.0	501.0	476.0	491.0	488.0	479.0	476.0
47.5°	2572.9	2419.9	1884.9	1174.9	656.0	484.0	467.0	471.0	457.0	437.0	436.0
50°	2910.9	2730.9	2066.9	1193.9	621.0	470.0	459.0	455.0	441.0	424.0	422.0
52.5°	3227.9	3010.9	2231.9	1206.9	592.0	461.0	453.0	452.0	438.0	416.0	414.0
55°	3514.9	3254.9	2342.9	1181.9	566.0	457.0	453.0	454.0	436.0	414.0	411.0
57.5°	3929.8	3644.8	2518.9	1145.0	535.0	456.0	456.0	457.0	435.0	414.0	411.0
60°	4290.8	3973.8	2691.9	1142.0	505.0	455.0	457.0	456.0	440.0	427.0	424.0
62.5°	4414.8	4112.8	2699.9	1070.0	486.0	450.0	453.0	458.0	455.0	449.0	446.0
65°	4648.8	4318.8	2733.9	989.0	459.0	441.0	448.0	461.0	463.0	459.0	456.0
66°	4631.8	4289.8	2700.9	964.0	450.0	436.0	445.0	459.0	463.0	462.0	460.0
67.5°	4547.8	4214.8	2591.9	893.0	437.0	427.0	440.0	454.0	463.0	466.0	464.0
70°	4320.8	3988.8	2374.9	786.0	412.0	406.0	424.0	442.0	457.0	462.0	461.0
72.5°	3681.8	3365.9	1986.9	671.0	377.0	376.0	397.0	419.0	437.0	442.0	440.0
75°	3090.9	2779.9	1631.9	553.0	341.0	342.0	362.0	383.0	397.0	397.0	398.0
77.5°	2477.9	2214.9	1292.9	459.0	304.0	304.0	318.0	335.0	344.0	340.0	334.0
80°	1905.9	1731.9	1010.0	384.0	267.0	265.0	272.0	285.0	292.0	283.0	276.0
82.5°	1538.9	1388.9	799.0	320.0	231.0	229.0	232.0	241.0	245.0	235.0	232.0
85°	1168.0	1033.0	601.0	263.0	200.0	195.0	200.0	202.0	207.0	198.0	192.0
87.5°	826.0	732.0	436.0	219.0	171.0	168.0	167.0	169.0	172.0	166.0	163.0
90°	555.0	487.0	315.0	183.0	146.0	141.0	139.0	139.0	141.0	131.0	128.0
92.5°	356.0	315.0	219.0	146.0	122.0	116.0	112.0	113.0	112.0	102.0	100.0
95°	222.0	201.0	158.0	115.0	98.0	93.0	89.0	88.0	87.0	80.0	78.0
97.5°	145.0	138.0	118.0	91.0	78.0	74.0	72.0	71.0	71.0	66.0	63.0
100°	108.0	105.0	93.0	76.0	64.0	61.0	59.0	59.0	61.0	57.0	55.0
102.5°	84.0	85.0	76.0	64.0	54.0	52.0	50.0	50.0	52.0	50.0	49.0
105°	64.0	64.0	62.0	53.0	46.0	45.0	43.0	43.0	45.0	45.0	45.0
107.5°	50.0	52.0	50.0	44.0	40.0	39.0	37.0	37.0	39.0	40.0	41.0



REPORT NUMBER: P416813

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	40.0	42.0	41.0	38.0	35.0	34.0	32.0	31.0	33.0	36.0	36.0
112.5°	32.0	34.0	34.0	32.0	30.0	30.0	28.0	27.0	29.0	32.0	32.0
115°	27.0	29.0	29.0	28.0	27.0	26.0	24.0	23.0	25.0	28.0	29.0
117.5°	23.0	25.0	25.0	25.0	24.0	23.0	21.0	20.0	21.0	24.0	25.0
120°	21.0	22.0	22.0	22.0	21.0	21.0	19.0	18.0	19.0	22.0	22.0
122.5°	18.0	19.0	20.0	20.0	19.0	19.0	17.0	15.0	16.0	19.0	20.0
125°	16.0	17.0	18.0	18.0	17.0	17.0	15.0	14.0	15.0	17.0	18.0
127.5°	15.0	16.0	16.0	16.0	16.0	15.0	13.0	12.0	13.0	16.0	16.0
130°	14.0	15.0	15.0	15.0	14.0	13.0	12.0	11.0	12.0	15.0	15.0
132.5°	13.0	14.0	14.0	13.0	13.0	12.0	10.0	9.0	11.0	13.0	13.0
135°	11.0	12.0	12.0	12.0	11.0	10.0	9.0	8.0	10.0	11.0	11.0
137.5°	9.0	10.0	10.0	10.0	9.0	8.0	7.0	7.0	8.0	10.0	10.0
140°	7.0	8.0	8.0	8.0	7.0	7.0	6.0	5.0	7.0	8.0	8.0
142.5°	5.0	6.0	6.0	6.0	5.0	5.0	4.0	4.0	6.0	7.0	7.0
145°	3.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0	5.0	5.0
147.5°	2.0	3.0	3.0	3.0	3.0	2.0	1.0	2.0	3.0	4.0	4.0
150°	1.0	2.0	2.0	2.0	2.0	1.0	0.0	1.0	2.0	3.0	3.0
152.5°	1.0	1.0	2.0	2.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0
155°	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	0.0
157.5°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)